



**ISO TC 184/SC4 Meeting, 2000-10-20  
Charleston, SC  
Meeting Minutes**

**1. Closing Technical Plenary**

The Closing Technical Plenary was opened by the SC4 Chair, Howard Mason at 0815. Summary reports were provided by the leaders of each of the following groups:

- SC4 Working Groups
  - Quality Committee
  - Policy and Planning Committee
  - STEP Implementers' Forum
  - STEP Centers
- and the TC184/SC4 Secretary

**2. Opening of SC4 Plenary Meeting**

The SC4 Chair, Howard Mason opened the twenty-fourth meeting of SC4 at 10:45 am, October 20, 2000.

**3. Roll Call of Delegates**

Lists of the P-members, O-members and A-liaisons at the SC4 meeting are attached as Annex B.

**4. Adoption of Agenda (ISO TC 184/SC4/Sec N001)**

The agenda was approved.

**5. Appointment of a Drafting Committee and vote teller**

The Chair noted the on-screen editing capabilities for the SC4 Plenary, which were operated by Chris Kreiler to allow collective drafting of amendments. The chair appointed a drafting committee composed of Rob Anderson for English and Alain Bezos for the French language.

He also appointed Jerry Smith and Greg Paul as vote tellers.

**6. Approval of minutes from Bordeaux, France meeting**

- a. The Bordeaux, France meeting minutes (ISO SC4 N1046) were distributed.
- b. Minutes were adopted unanimously after noting the numbering sequence errors with acknowledgement they would be revised. Bordeaux, France Meeting Minutes can be found at: <http://www.nist.gov/sc4/ndocs/n1046>

## **7. Review of SC4 Actions from Bordeaux, France meeting**

(ISOTC184/SC4/Bordeaux/Sec N002)

All actions were reviewed and modified or actions noted on slides. The Bordeaux action log is available in the Closing Plenary file: <http://www.nist.gov/sc4/meetings/bordeaux2000>. A complete updated SC4 Action List is available at: <http://www.nist.gov/sc4/meetings/charleston>

## **8. Administrative Reports**

- a. Howard Mason, the SC4 chair, had no additional remarks.
- b. TC184/SC4 Secretariat Remarks:  
Jerry Smith, SC4 Secretary, presented a report on the proposed procedure for transposing externally developed specifications into ISO documents.
- c. Issues on 10303-21 were raised by Meinolf Groepper the German delegate; after a lengthy discussion an approach for clarification was agreed upon.

## **9. WG Reports**

WG convener reports had been presented during the closing technical plenary.

## **10. Policy and Planning Committee**

The report from the PPC was presented during the closing technical plenary.

## **11. Resolutions**

The draft resolutions were considered by the delegates and edited by Chris Kreiler on screen. Annex A contains the final set of agreed resolutions. The complete text of the Advanced and Last Day Resolutions as well as disposition of all resolutions proposed at the Charleston SC4 meeting are available (in the tracked edition) in the meeting folder at:

<http://www.nist.gov/sc4/meetings/charleston>

The cumulative list of resolutions following the Charleston meeting is available at:

<http://www.nist.gov/sc4/ndocs/n1096>

## **12. Future Meetings**

The list of future scheduled and planned meetings was reviewed.

The Funchal, Portugal meeting information is located on SOLIS at:

<http://www.nist.gov/sc4/www/meetings.htm> or <http://www.uninova.pt/sc4-portugal2001>

Howard Mason noted exceptions to the previously announced locations and dates.

## **13. Review of new Action Items**

New actions from the Charleston meeting were reviewed. A complete updated SC4 Action List is available at: <http://www.nist.gov/sc4/meetings/charleston>

## **14. Adjourn**

The meeting was adjourned by Chairman, Howard Mason at 12.45 PM with thanks to all for their support and contributions to the challenges SC4 has set for itself.

\*These meeting minutes (<http://www.nist.gov/sc4/ndocs/n1091>) and slides can be found on SOLIS at <http://www.nist.gov/sc4/meetings/charleston>

Respectfully submitted,

Jerry Smith

ISO TC 184/SC4 Secretary

## **ANNEX A**

### **Resolutions approved at SC4 meeting Charleston, SC**

#### **RESOLUTION 475 (Charleston, SC-October, 2000)**

##### **Permission to Include Photographs in SC4 Documents**

SC4 resolves that photographs may be included in SC4 normative documents when such photographs will enhance the understandability and use of those documents, in accordance with ISO directives.

SC4 directs the Quality Committee to exclude any restriction in the Supplementary Directives on the inclusion of photographs.

#### **RESOLUTION 476 (Charleston, SC-October, 2000)**

##### **Replacement for Chair of Implementor's Forum**

SC4 endorses the nomination of Martin Hardwick as Chair of the Industrial Data Implementor's Forum to serve for a period of three years.

#### **RESOLUTION 477 (Charleston, SC-October, 2000)**

##### **Integrated Manufacturing Task Force**

SC4 creates a task force on Integrated Manufacturing for mechanical components, with the following objectives:

- Define the scope of Integrated Manufacturing
- Create an Integrated AAM covering the whole scope of Integrated Manufacturing for mechanical components, taking into account the overlapping requirements of other sectors
- Evaluate the current SC4 and other relevant normative documents in relation to the Integrated AAM, and to identify the overlaps and the missing links
- Create requirements for enhancing current SC 4 and other relevant normative documents- Survey the evidence of industrial needs for this effort

The results of the technical evaluation will be submitted to SC4 at the next meeting, and the survey on industrial needs at the following meeting.

SC4 appoints Pr. Takeshi Kishinami as leader of the task force

SC4 directs its secretariat to circulate to P-members and A-liaisons a call for experts.

#### **RESOLUTION 478 (Charleston, SC-October, 2000)**

##### **New ISO Number for Express Edition 3**

SC4 requests ISO Central Secretariat to provide a new standard number for SC4 project #32952.

SC4 resolves that SC4 project #32952 be removed as a part of ISO 10303 and published as a draft technical specification part under the new standard number.

SC4 directs WG11 and Express team to continue efforts to deliver this in a timely fashion and to take into account any requirements for dynamic capabilities arising from SC5.

SC4 requests WG 11 to identify a new name for the standard, emphasizing its derivation from EXPRESS.

## **RESOLUTION 479 (Charleston, SC-October, 2000)**

### **UML-EXPRESS Cooperation**

SC4 resolves that WG11 create a team of people lead by Bernd Wenzel and including, but not limited to, the following individuals:

Dave Price

Phil Spiby

SC4 directs this team to work with the UML 2.0 submission teams to achieve the harmonization of EXPRESS and UML and act as a liaison with ISO JTC1 SC7.

SC4 requests SC4 secretariat to send a call for experts for the team.

## **RESOLUTION 480 (Charleston, SC-October, 2000)**

### **Cancellation of Inactive ATS Projects**

SC4 cancels the following inactive Abstract Test Suite Parts of ISO 10303, and instructs its Secretariat to remove them from the work programme, in the absence of any firm development commitment by 20 February 2001:

301, 309, 310, 313, 315, 316, 317, 321, 322, 323, 326, 327, 334, 335

## **RESOLUTION 481 (Charleston, SC-October, 2000)**

### **Appreciations**

#### **Acclamation**

SC4 expresses its appreciation to its meeting host, US PRO, for the excellent meeting facilities, good food, as well as the wonderful Social Event on Tuesday evening. SC4 also expresses its appreciation for their hospitality and outstanding support both before and during the meeting.

SC4 commends Chuck Stark for the outstanding arrangements that contributed to the successful completion of SC4 business.

A special recognition to Stacy Watts, Jill Vaning, and Linda Beck for their hospitality, patience and outstanding support and all around good humor during crises both before, during, and after the ISO TC184/SC4 meeting.

#### **Acclamation**

SC4 expresses its appreciation to Sophie Clivio for taking time from her busy schedule to participate in our meeting and for her valuable guidance and support for SC4 work.

#### **Acclamation**

SC4 expresses its appreciation to Larry McKee for many years of outstanding leadership, and his many contributions to the development of SC4 standards. Larry will be remembered for his patience and his valuable assistance to all. Last but not least Larry will be remembered for his special "personal" humor and he will be missed.

#### **Acclamation**

SC4 expresses its appreciation to those who participated for their outstanding contributions and professionalism this week to the work of ISO TC184/SC4.

## Annex B

### SC4 Participants & Delegates List

#### P-members:

Country	Head of delegation
Australia	Martin Jones
Canada	Helium Mak
China	Wang Ping
Czech Republic	
France	Alain Bezos
Germany	Meinolf Groepper
Italy	
Japan	Takeshi Kishinami
Korea Republic of	Hyo-won Suh
Netherlands	Andres von Riessen
Norway	Jochen Haenisch
Portugal	Ricardo Goncalves
Russia	
Spain	Isabella Gresa
Sweden	Torbjorn Holm
Switzerland	
United Kingdom	Matthew West
United States	Burt Gischner

#### ISO TC 184 Officers

Chair	
Secretary	

#### ISO CS

ISO CS Technical Programme Manager	
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#### TC 184/SC4

Chair	Howard Mason
Secretary	Jerry Smith
Secretary-Deputy	Teresa Brittingham

## A Liaisons

<b>ISO TC 8</b>	Ships and marine technology	<b>Zabi Bazari</b>
<b>ISO TC 10/SC 1</b>	Technical drawings, product definition, and related documentation/Basic conventions	<b>Alain Bezos</b>
<b>ISO TC 10/SC 6</b>	Mechanical engineering documentation	<b>Alain Bezos</b>
<b>ISO TC 10/SC 8</b>	Construction documentation	<b>Alain Bezos</b>
<b>ISO TC 10/SC 10</b>	Process plant documentation and tpd-symbols	<b>Alain Bezos</b>
<b>ISO TC 29/WG34</b>	Small tool Computerized machining data exchange	
<b>ISO TC 172/SC 1</b>	Optics and optical instruments/Fundamental standards	
<b>ISO TC 184/SC 1</b>	Physical device control	<b>Meinolf Groepper</b>
<b>ISO TC 184/SC2</b>	Robots for manufacturing environments	
<b>ISO TC 184/SC 5</b>	Architecture, communications and integration frameworks	<b>Meinolf Groepper</b>
<b>ISO TC 207/SC 5</b>	Environmental management Life cycle assessment	
<b>ISO TC 211</b>	Geographic information/Geomatics	<b>Bernd Wenzel</b>
<b>ISO TC 213</b>	Dimensional and Geometrical Product Specifications and Verification	
<b>IEC TC93</b>		
<b>IEC TC3B</b>	Documentation and Graphic Symbols	
<b>ISO/IEC JTC1 SC34</b>	Document Description Languages	<b>Nigel Shaw</b>
<b>AECMA</b>	European Association of Aerospace Industries	<b>Howard Mason</b>
<b>EMSA</b>	European Marine STEP Association	<b>Uwe Langbecker</b>
<b>EPISTLE</b>	European Process Industries STEP Technical Liaison Executive	<b>Matthew West</b>
<b>FSIG</b>	FunSTEP Interest Group	<b>Ricardo Gonclaves</b>
<b>IAI</b>	Industry Alliance for Interoperability	<b>Haas, Dr. Wolfgang</b>
<b>INCOSE</b>	The International Council On Systems Engineering	David Oliver
<b>NAFEMS</b>	International Association for Engineering Analysis Community	<b>David Leal</b>

<b>PDES Inc.</b>	Product Data Exchange using STEP , Inc.	<b>Bob Kiggans</b>
<b>PIEBASE</b>	Process Industries Executive for Achieving Business Advantage Using Standard for Data Exchange	<b>Alan Doniger</b>
<b>PLCS</b>	Product Life Cycle Support	<b>John Dunford</b>
<b>POSC</b>	Petrotechnical Open Systems Consortium	<b>Alan Doniger</b>
<b>ProSTEP Association</b>		<b>Max Ungerer</b>
<b>VAMAS</b>	Versailles Project on Advanced Materials and Standards	

**O-members:**

Belgium	
Brazil	
Bulgaria	
Denmark	
Finland	
Hong Kong	
Hungary	
Malaysia	
Romania	
Singapore	
Yugoslavia	